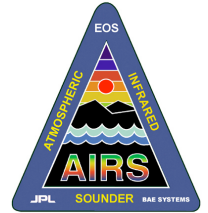


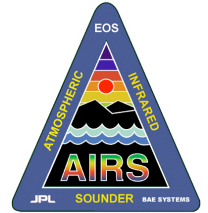
# AIRS/AMSU/HSB PRODUCT DELIVERY SCHEDULE



Date Product	L+6	L+12	L+24
<b><u>L1B</u></b>	Delivered To NOAA	Upgrade To DAAC	Upgrade To DAAC
<b><u>L2</u></b> T(p) q(p) Tsurf Ozone*  *Needed for retrieval	Conditions Where Requirements Met		
		Day/Night	Day/Night
			Ocean Global
		Ocean -40° Lat 40°	Land Global
<b><u>L2</u></b> Cloud Cleared Radiances Cloud Top Temp/Pressure Cloud Fraction Cloud Spectral Properties		Night Ocean	Day/Night Global



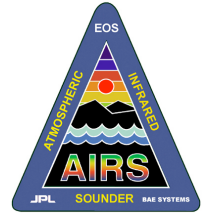
# AIRS PROJECT TEAM LEADER PROPOSAL TO INCLUDE JPL TASKS



- **Project Staff**
- **Instrument Operations and Calibration**
- **TLSCF Operations/Maintenance**
- **L1B Updates, Maintenance and Trending**
- **L2 Integration, Assessment and Delivery**
- **DAAC/NOAA delivery support**



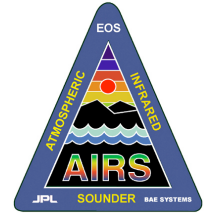
## AIRS/AMSU/HSB CORE PRODUCTS NEED NRA RESPONSES



- **Standard Products respond to NRA-03-OES-02 under “EOS Algorithm Refinement Proposals”**
- **Standard Products Are (At-Launch):**
  - *AIRS L1A Radiance Counts*
  - *L1B Calibrated Geolocated Radiances*
  - *L2 cloud-cleared radiances*
  - *Atmospheric Temperature Profile (1K/km to 200 mb, 2km to 100 mb, 4km to 1mb)*
  - *Tropopause height*
  - *Fraction of FOV obscured by clouds, No. of resolved cloud formations*
  - *Cloud-top pressure, temperature, and cloud spectral properties*
  - *Atmospheric column water-vapor profile and burden ( $\pm 10\%$ )*
  - *Total precipitable water ( $\pm 20\%$ )*
  - *Cloud liquid water content*
  - *Cloud-ice flag*
  - *Land (1K) and sea surface (0.3K) skin temperature*
  - *Infrared and microwave spectral surface emissivity*



## AIRS/AMSU/HSB RESEARCH PRODUCTS



- **All non-standard products must response to NR-03-OES-02 under “Science Data Analysis and Modeling Research Proposals”**
- **At-launch**
  - ***Cloud spectral emissivity***
  - ***Flux Products***
    - Clear column radiance (cloud free)
    - TOA outgoing longwave spectral radiative flux
    - Spectral features in LW fluxes, both land and ocean
    - Net surface longwave fluxes, both land and ocean
    - Net surface and TOA outgoing SW fluxes, both land and ocean
    - Surface albedo
  - ***Ozone profiles and burden ( $\pm 10\%$ )***
- **Post-launch**
  - ***Precipitation flag***
  - ***Trace constituent product (CO (10%), CH<sub>4</sub>)***